

Name: Mr Pranoy Roy



Department: Civil Engineering

Contact Nos.: 9042187611

Qualifications: M Tech.

Designation: Assistant Professor

VIDWAN ID: <https://vidwan.inflibnet.ac.in/profile/185965>

Experience (Teaching / Research / Industry, in years): 4years 9 months

Date of Joining at the Present Institution: 10th February 2016

Examinations Cleared: GATE

Qualifications Summary (Reverse chronological order):

Degree	Institute	From – To	Subjects
PhD (Pursuing)	NIT Durgapur	August 2020 -	Civil Engineering
MTECH	Bharath University	June-2013 to May 2015	Structural Engineering
BE	Annamalai University	May-2009 to May2013	Civil Engineering

Experience Summary (In chronological order):

Designation	Organization	Date From	Date To
Assistant Professor	Dr. B.C. Roy Engineering College	10/2/2016	Till Date

Specialization/Research Interest:

Concrete technology, Concrete Confinement, Low cost housing, Structural Engineering.

Courses taught:

Theory		
1.	CE-705A	Engineering Materials
2.	CE604B	Prestressed Concrete
3.	CE 503	Concrete Technology

4.	CE 602	Design of Steel Structure
5.	CE(HS)302	Introduction to Civil Engineering
6.	CE(HS)401	Societal and Global Impact
7.	CE(PC)404	Concrete Technology
8.	CE(ES)301	Engineering Mechanics
9.	CE(PC)501	Design of RC Structures
10.	CE(PE)702A	Pre-stressed Concrete
Practical and Sessional		
1.	CE 891	Structural Engineering Design Practice.
2.	CE 692	Detailing of RC and Steel Structures.
3.	CE 593	Quantity Surveying, Specification and Valuation
4.	CE 792	Civil Engineering Practice Sessional
5.	CE- 592	Concrete Laboratory
6.	CE- 391	Solid Mechanics Lab
7.	CE-391	Cad Laboratory
8.	CE 393	Building Design and Drawing
9.	CE(PC)494	Concrete Laboratory
10.	CE(PC)493	Surveying and Geomatics Laboratory
11.	CE(PC)591	RC Design Sessional

Online Mode of Teaching:

1.	Prestressed Concrete	CE604B	Online mode
Online teaching	Google Classroom, PPT/ Video Lecture etc.		
Assessment method	Google Form.		
2.	Design of Steel Structure	CE602	Online mode
Online teaching	Google Classroom, PPT/ Video Lecture etc.		
Assessment method	Google Form.		
3.	Societal and Global Impact	CE(HS)401	Online mode
Online teaching	Google Classroom, PPT etc.		
Assessment method	Google Form.		
4.	Concrete Technology	CE(PC)404	Online mode

Online teaching	Google Classroom, PPT etc.		
Assessment method	Google Form.		
5.	Design of RC Structures	CE(PC)501	Online mode
Online teaching	Google Classroom, PPT etc.		
Assessment method	Google Form.		
6.	Pre-stressed Concrete	CE(PE)702A	Online mode
Online teaching	Google Classroom, PPT etc.		
Assessment method	Google Form.		

Publications:

Journal:

1. **P. Roy.**, “Comparative Study on the Influence of Masonry Infill Walls on Reinforced Concrete Frames”, “Elixir International Journal”, 2017, Vol. 102, pp. 44310-44313
2. **P. Roy** and P. Sachithanatham., “Study on beam-column joints wrapped with woven glass-fiber reinforced polymer composites”, “The Indian Concrete Journal”, 2018, Vol. 92, pp. 82-88.

Conference:

1. **Pranoy Roy**, “Comparative study on the effect of steel fibers on reinforced concrete beams”, “Proceedings of 61st Congress of ISTAM”, VITU - Vellore, India, Dec. 11-14, 2016, International Conference , Indian Society Of Theoretical and Applied Mechanics.
2. **Pranoy Roy**, “Strength Analysis of Concrete With Randomly Distributed Waste Steel Fibres.”, “International Virtual Conference On Emerging Research Trends in Structural Engineering”, 16th July 2020, International, Organized by School of Civil Engineering VIT Chennai
3. **Pranoy Roy**, “Effectiveness of Shear Walls for Seismic Resistance of Multi-storey Buildings in India.”, “National conference on structural engineering, NCRACE-2020”, 21-22 August 2020, National, Organized by NIT Jamshedpur, India.

Supervision of B.Tech Projects:

SI No.	Name of Project Supervisor	Project Title	Name of students	University Roll No	Year
1.	PRANOY ROY	ANALYSIS AND DESIGN OF G+10 BUILDING FOR DIFFERENT SEISMIC ZONES	UPASANA DEY	12001318002	2021
			TANUSREE MAJI	12001318003	
			SUPRAVA	12001318005	

		OF INDIA	MANDAL		
			SUMANTA TEWARY	12001318006	
			SUKANTA MUKHERJEE	12001318007	
2.	PRANOY ROY	SEISMIC ANALYSIS OF RESIDENTIAL APPARTMENTS FOR DIFFERENT EARTHQUAKE ZONES OF INDIA USING STAAD PRO.	Rajarshi Chatterjee	12001316065	2020
			Raj Kumar	12001316066	
			Rahul Vishwakarma	12001316067	
			Rahul Kumar	12001316070	
			Radharaman Kumar	12001316071	
			Priya Kumar	12001316072	
			Priya Bharti	12001316073	
			Praveen Kuimar Singh	12001316074	
3.	PRANOY ROY	AN EXPERIMENTAL STUDY ON THE COMPRESSIVE STRENGTH OF CONCRETE USING VARYING PERCENTAGES OF AUTOCLAVED AERATED CONCRETE (AAC) BLOCK AS A PARTIAL REPLACEMENT OF COARSE AGGREGATE.	Puja Barman	12001315076	2019
			Subham Adhurjya	12001315105	
			Subhrajyoti Paul	12001315106	
			Supriya Jha	12001315108	
			Swati Kumari	12001315109	
			Tanmoy Sen	12001315111	
			Tapan Dipta Sen	12001315112	
			Arindam Das Modak	12001316020	
4.	PRANOY ROY	EXPERIMENTAL INVESTIGATION ON THE FLEXURAL BEHAVIOUR OF FERROCEMENT PANELS BY VARYING THE NUMBER OF MESHES.	Alik Anjan	12001315124	2018
			Anubhab Mukherjee	12001315127	
			Arpan Sain	12001315131	
			Dipankar Pal	12001315134	
5.	PRANOY ROY	AN EXPERIMENTAL STUDY ON THE COMPRESSIVE STRNGTH OF CONCRETE USING VARYING PERCENTAGES OF	Aditya Anand	12001314004	2018
			Akash Srivastava	12001314007	
			Ankit Kumar	12001314012	
			Anshu Ranjan	12001314013	
			Asutosh Singh	12001314015	

		RANDOMLY DISTRIBUTED STEEL FIBRES.	Parmar		
			Avinash Kumar	12001314018	
			Dhiraj Kumar	12001314028	
			Gaurav Kumar	12001314033	
6.	PRANOY ROY	DESIGN AND ANALYSIS OF CIRCULAR OVERHEAD WATER TANK USING STAAD PRO.	Rakesh Mahto	12001313067	2017
			Sanky Das	12001313079	
			Sourav Chaterjee	12001313095	
			Sourin Dutta	12001313098	
			Subha Dam	12001313099	
			Sufi Md Gulzar	12001313106	
			Sourav Bit	12001314094	
			Sourav Ghosh	12001314097	

Participation in seminar/conference/symposium/workshop/discussion meeting:

Sl. No.	Event	Name of the event	Duration	Year	Organized by
1.	Webinar	Risk Communication for Prevention of the spread of Covid-19 in Rural India	1 day	27th May, 2020.	SRM University, Chennai.
2.	Webinar	Role of Science and Technology towards a self-reliant India	1 day	19th May, 2020.	IEEE India Council
3.	Webinar	Psychological Counselling	1 day	18th May, 2020.	MAKAUT
4.	Seminar	Transforming Humanity Through Sustainable Development	2 days	8-9th June, 2020.	PIET, Rajasthan
5.	Seminar	Cleaner Technology for Wastewater Treatment	2 days	5-6 June, 2020.	Sethu Institute of Technology
6.	Seminar	Climate change and water crisis	1 day	21st June, 2019.	IEST Shibpur
7.	Seminar	Theory of Innovation	1 day	14th Nov, 2017.	BCREC, Durgapur
8.	Workshop	Machine Learning for Remote Sensing Data Classification	1 day	June 01, 2020	Indian Institute of Remote Sensing (ISRO)

9.	Workshop	Project Method of Learning	1 day	29th May, 2020.	NITTR, Bhopal
10.	Workshop	Recent Advances in Concrete and Retrofitting Technology	1 day	29th Sept., 2016.	Jadavpur University
11.	Conference	61st Congress of ISTAM	4 days	11-14 Dec., 2016.	IIT Kharagpur and VIT Vellore

Participation in faculty development programmes:

Sl. No.	Name of the FDP	Online / Face-to-face	Duration	Year	Organized by
1.	3D Printing and Design	Online	5 days	17 th to 21 st August 2021	BCREC
2.	IS:456-2000 Interpretation, Application, Limitations and Software Application	Online	5 days	22nd to 26th June 2020	NITTR Kolkata
3.	Earthquake Resistant Structures	Online	5 days	15th to 19th June 2020	NITTR Kolkata
4.	Advances in Civil and Structural Engineering	Online	5 days	15th June 2020 to 19th June 2020	Government College Of Engineering Karad & Government College Of Engineering Nagpur
5.	Basics of SAR Remote Sensing	Online	5 days	26th May to 30th May-2020	Indian Institute of Remote Sensing (ISRO)
6.	Smart Sustainable Cities	Online	5 days	25th May to 29th May 2020	NITTTR, Chandigarh
7.	Role of Teachers and Educational Institutes in Unnat Bharat Abhiyan (UBA)	Online	5 days	18th – 22nd May, 2020	NITTTR, Chandigarh
8.	Augmented Reality (AR) / Virtual Reality (VR)	Online	5 days	11th May to 15th May, 2020	AICTE Training And Learning (ATAL) Academy
9.	Waste Management	Online	5 days	11th – 15th May, 2020.	NITTTR, Chandigarh
10.	Internet of Things	Online	5 days	7th – 11th May, 2020	AICTE Training And Learning (ATAL) Academy

11.	Moodle Learning Management System	Online	5 days	27th – 31st January 2020	Spoken Tutorial Project, IIT Bombay
	UGC Sponsored Refresher Course on Recent Advances in Civil Engineering	Face-to-face	15 days	2nd January -18th January, 2018.	Jadavpur University

Organization of events at Dr. B. C. Roy Engineering College:

Sl. No.	Name of the event	Date	Year
1.	Mandatory Induction Program	2nd August - 25th August	2018
2.	Mandatory Induction Program	2nd August - 14th August	2019
3.	Workshop on Digital Management- Organized by Makaut, hosted by BCREC	03rd December	2019
4.	NDRF Workshop	27th September	2019
5.	Voluntary Organ donation and Blood donation	10th January	2019
6.	“Seminar on Leadership and Entrepreneurship” Organized by E-Cell, BCREC	7th July	2019

Participation in administrative committees:

Sl. No.	Post	Name of the committee	Year
1.	Member	Induction Programme Coordination Committee	2018 – Till date
2.	Joint Coordinator	Orientation Program- Nabinbaran	2018 – Till date
3.	Member	Entrepreneurship Cell of Dr. BC ROY Engineering College	2018- Till date
4.	Departmental Coordinator	National Service Scheme (NSS) Committee	2016- Till date
5.	Departmental Coordinator	Massive Open Online Courses (MOOCs) Committee	Feb 2018 – August 2020
6.	Departmental Coordinator	Mandatory Additional Requirement (MAR) Committee	Feb 2018 – August 2020

7.	Faculty in-Charge	Concrete Laboratory and Seminar Hall of Civil Engineering Department.	Feb 2018 – August 2020
8.	CORE COMMITTEE MEMBER	Training and Placement Office, Durgapur Division.	August 2020 – till date
9.	In charge of Consultancy Cell (CE Dept.)	I/C Consultancy Cell, C.E. Dept.	November 2020 – till date

On-going Projects / Research Ideas under preparation & execution

Nil

Membership

Associate Life Member of the Institution of Engineers (India).
